

JAMAICA.

NOVEMBER 21, 1890.

No. 125.

WEATHER REPORT

FOR THE MONTH OF

QC 987 , J25 W34 1890 [Od.-Dec.]

OCTOBER, 1890,

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METEOROLOGICAL RESULTS FOR OCTOBER, 1890.

			Means for the Month.											
STATION.		ELEVATION.	Pressure.		Temperature		Dew-point.		Vapour.		Humidity,			
		•	7 a.m.	3 р.т.	7 a.m.	3 p.w.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.		
Kingston King's House Castleton Gardens Cinchesa Plantation	•••	ft. 60 400 580 4,907	in. 29.969	in. 29.902	75.8 71.0 62.7	84.6 80.0 66.6	68.3 65.6 54.2	72.9 74.8 57.9	in. 0.692 0.630 0.421	in. 0.810 0.863 0.480	78 83 74	68 84 74		

		MEANS FOR THE MONTH. EXTREMES FOR THE MONTH.									
STATION.	,	Temperature.		W	Wind.		Temperature.				Total Rainfall.
	Max	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
	88.3	72.5	15.8	S.E.	52.1	92.5	7th	70.2	18th	22.3	inch. 2.41
	79.8	69.9	9.9 12.1			83.0 73 0	1st 9th*	66.0 53.0	3rd 3rd†	17.0 20.0	8.59 2.67

* and 2 other days. † and 2 other days.

Note—The Barometric pressure is the reading of the Barometer corrected for instrumental error and reduced to 32°, that of Kingston being further reduced to the Sea-level. The Thermometers are similarly exposed at all

the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

			TEMPE	SATURE.			_	demandading of the form to an appropriate
DAY.		Hour.	Max.	Min.	Temp.	Rain.	Remarks,	Observer's Initials.
1890.			0	0	o	in.		
January 4th		2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd	•••	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.
March 1st	•••	3.15 р.т.	64	39	57	16.90	Fine, warm and caud.	B. S. G.
March 29th		3.45 p.m.	71	49.5	54	18.92	Fine, clear, light breeze.	B. S. G.
May 3rd		2.30 p.m.	67	3 8	56	19.40	Bright sun, clear	B. S. G.
May 31st		1.45 p.m.	66.5	45	60	4.10	Heavy rain, light wind.	B. S. G.
June 24th	•••	3.00 р.ш.	63.0	45.5	56	2.90	Cloudy on all sides but warm.	B. S. G.
July 17th		12 Noon	62	43	55	5.00	Cloudy and little rain.	W.F.
August 2nd		2.45 p.m.	65	45	54	1.68	Fine, light breeze.	B. S.G.
October 5th		0 * 0 *	72	46	55	5.00	Light breeze, clear and bright.	
October 26th		3.10 p.m.	74	45.5	70	3.44	Warm and cloudy.	W. B.
October 29th		2.39 p.m.	70.5	46.5	61		Bright and clear, no sun.	B. S. G.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the month for a few years past:—

		Осто	BER.
		1890, Av	erage.
Infantile diseases not	totherw	vise	
specified	***	19	11
Lung diseases		20	13
Fever		9	5
Dysentery and Diarr	hoes.	9	2
Various	•••	34	39
Te	ial	91	70

RAINFALL FOR OCTOBER, 1890.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in October, 1883, as Nos. 31 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

NORTH-EAS	TERN DIVISION.	Oca	roiter.	NORTHERN DI	VISION, contd.	Oct	OBER.
			Average.			1890.	Average.
				Ironshore	St. James.	In. 6.81	In. 5.25
•		In.	In.	Providence	ot. James.	0.01	0,20
Morant Point L. 1			13.40	Montego Bay (Ma		•••	•••
Hordley	•••	4.57	14.55	Catherine Hall	•••	11.43	6.73
Boston Cinchona Plantati	on St. Andrew	$\frac{12.82}{2.67}$	20.58	Catherine Mount Fairfield	***	8.98	7.67
New Haven Gap	ou St. Andrew		20.50	Lairneid	•••	11.83	***
Stony Hill Reform		7.11	15.60		Means	6.26	-5.93
Castleton Garden	s St. Mary	8.59	12.49	W C	D		
Dover	•••	•••	•••	West Central	DIVISION.	Oct	OBER.
Quebec	+ +	9 740	• • •	1		1000	A
Richmond Port Maria	•••	$\frac{3.00}{2.71}$	•••			1890.	Average
Gayle	•••	4.95	13,93			In.	In.
Rio Hoe	St. Ann		13.07	Linstead	St. Catherine	1.80	9.16
Unity Valley	***	2.23	7.85	Cave Valley	St. Ann	6.88	10.41
Moneague	***	4.02		Appleton	St. Elizabeth	10.62	12.10
Albion	***	9 46	7.88	Windsor Pen	Trelawny	12.98	***
Averham Park Bradfield	•••	3.60 	7.67	Maroon Town Kepp	St. James St. Elizabeth	$12.81 \\ 10.73$	11.30
Drax Hall	***	2.84	7.30	Mount Edgecomb		8.80	8.93
Seville	***	2.85	6.86	Windsor Forest	***	***	***
Llandovery		3.35	8.17	Woodstock	***	***	***
Richmond Estate	***	3.89	9.28	Struie	4 + 4		***
				Kew Park Chester Castle	Hanover	10.17 13.32	***
	Means	4.17	11.78	Copse	Hanover	12.96	10.94
				Kempshot	St. James		
X 7	ern Division.	O. 27	COBER.	Anchovy		10.34	7.13
NORTH	ERN DIVISION.	Qu.	OFFICE OF THE PARTY OF THE PART	Wiltsnire	***	9.67	7.90
				Eden	***	9.61	- ;;
		1890.	Average,	Round Hill Cacoon Castle	Hanover	5.65 8.62	5.45 8.11
				Golden Grove	***	19.77	9.74
		.vI	In.	Fiint River	***	4.89	
Home Castle	St. Ann	3.72	•	Tryall	•••	5.67	6.85
Richmond Pen		11.18		Sweet River	Westmoreland		
Colchis Pen	Trelawny	6.93		Windsor (Savla-l Kew	Mar) Hanover	7.90	8.42
Mahogany Hall	***	4.01	5.02	Three Mile River		7.70	***
Braco . Arcadia	***	2.07 3.27	4.81	George's Plain Es		11.15	
Harmony Hall	,	2.23	4.14	Fontabelle	***		•
Lancaster		$\overline{3.02}$	5.16	Belle Isle	***	10.65	***
Vale Royal	•••	8.40	5.91	King's Valley	TT	7.50	0.00
Hyde	***	4.57	7.59	Orange Cove Abingdon	Hanover	$\begin{array}{c} 6.21 \\ \textbf{10.85} \end{array}$	9.06
Georgia	••••	• • • • • • • • • • • • • • • • • • •	5.29	in in gaon			***
Steelfield Oxford	***	8.92 4.85	õ.98		Means	9.06	9.01
Cambridge	***	3.32	4.86	gr	leven on		m (1 K) 10 10 10 1
Dry Valley	•••	5.12		Southern I	TYISION.	Uc	TOBER
Lottery		3.82	6.12			1890	Average.
Falmouth	•••	3.44	•••				iivorago.
Holland Pen	•••	$\frac{3.70}{6.60}$	6.66			Jn.	Ia.
Golden Grove Pembroke	***	•••	5.17	Albion Hospital	St. Thomas	•••	***
Green Park	***	•••	5.95	The Abbey	614 A 3:	•••	***
Phœnix	***	7.71		Halberstadt Woodford	St. Audrew	9.25	***
Tilston	•••	9.75	6.69	Hope Plantation	St. Andrew	9.29	•••
Orange Valley	•••	$\begin{array}{c} 10.95 \\ 9.17 \end{array}$	5,31 5,65	Hope Reservoirs	***	***	9.56
Kent Dundee	•••	$\begin{array}{c} 9.11 \\ 6.52 \end{array}$	5.70	Cherry Garden	***	4.59	
Weston Favel	***	9.14	***	Constant Spring	***	4 45	
Gale's Valley	***	11.54	7.43	Shortwood	St. Andrew.	$\frac{4.42}{2.96}$	***
Greenwood	St. James	10.61	***	Camperdown		2.95	12.19
Bellfield	***	6.43	***	King's House Monaltrie	***	4.55	11.64
Guilsbro'		7.30	8.62	Public Works Office		2.57	10.28
Spring Vale	•••		8.64	Plumb Point L. H.	***	1.62	9.96
Cinnamon Hall Rose Hall	***		***	Spanish Town	St. Catherine	3.87	8.52
Running Gut	***	•••	5.68	Windsor Park	***	3.40	8.09
ASUMING CANE				l Hog Hole Pen			

4.

		1890. .	Average.

		In.	Ĭn.
Headworks, R. C. C.	•••	3.16	10.24
Old Harbour	•••	3.07	
Farm Plantation	Manchester	7.56	14.32
Stone's Hope	***	8.35	
Brokenhurst Pen	***	6.22	
Pepper	St. Elizabeth	7.15	10.07
Long Hill		8.16	8.85
Potsdam	***	8.73	
Gilnock Hall	***		•••
Santa Cruz Poor-hous	e	13.62	
Black River	•••	***	9.32
		-	
	Means	4.67	10.22

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 1.36 and 1.62 inches respectively.

Comparative Table of Rainfall. (Based upon the "Arerage" Stations only.)

			JUTUBER.
		189). Average
		In.	In.
North Eastern	1 Division	4.17	11.78
Northern	4.6	6.26	* 5.93
West Central	Division	9.06	9.01
Southern		4.67	10.22
ř	The Island	6.04	9.23
,			

The largest fall, viz., 19.77 inches was recorded at Golden Grove, in the Parish of Hanover, and the smallest, 1.62 inches at the Plumb Point Light House.

The rainfall for the North Eastern and Suthern Divisions shewed a deficiency of about one-half; the Northern and West Central Divisions recorded a very

near approach to the average.

The fall for the month on the whole was about twothirds the recorded average.

A shock of Earthquake was felt in this city at about

A Shock of Partinquake was tend in this city at about 8.15 p.m. on the 30th.

Miss A. C. Johnson reports that a shock of Earthquake was felt on Thursday, 30th October at 8.15 p.m. at Shortwood College, St. Andrew.

Mr. F. A. Jenoure also experienced a shock at Boston

at 8.15 p.m. on the 30th.

A shock of Earthquake was also felt at Castleton Gardens at 8.15 p.m. on the 30th October. J. F. BRENNAN.

Kingston, 17th November, 1890.



JAMAICA.

DECEMBER 30, 1890.

No. 126

WEATHER REPORT

FOR THE MONTH OF

NOVEMBER, 1890,

Published by Authority.

JAMAICA:
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET, KINGSTON.

1890.

METEOROLOGICAL RESULTS FOR NOVEMBER, 1890.

			MEANS FOR THE MONTH.											
STATION.		ELEVATION.	Pres	sure.	Tempe	rature	Dew-	point.	Vaj	our.	Hum	idity.		
			7 a.m.	3 р.т.	7 a.m.	3 p.m.	7 a.m.	3 р.т.	7 a.m.	3 p.m.	7 a.m.	3 р.т.		
	,	ft. 60 400 580 4,907	in. 29.955 	in. 29.896 	68.3 63.6	83.5 79.5 65.7	67.5 67.2 55.9	70.8 75.1 60.3	in. 0.673 0.666 0.447	in. 0.754 0.871 0.524	81 96 76	66 86 83		

	Мва						E	KTREMES	TH.				
STATION.		Temperature.		Wind.		Temperature.					TOTAL RAINFALL.		
	м	ax.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.		
King's House	79	3.1 9.4 1.2	71.4 69.4 54.9	16.7 10.0 19.3	S.E.	55.1 56.5	91.6 84 82	20th 10th 13th	68.8 64.0 40.0	29th 11th 15th	22.8 20.0 42.0	inch. 2.73 15.72 6.50	

Nore—The Barometric pressure is the reading of the Barometer corrected for instrumental error and reduced to 32°, that of Kingston being further reduced to the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

				7110	13 33.00.	1111111		
			Темреі	RATURE.		.		
DAY.		Houn.	Max.	Min.	Temp.	Rain.	Remarks.	Observer's Initials.
1890.			•	0	0	in.		
January 4th		2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd		3 p.m.	66	40	54	19.30	Fine and bright, calm.	B, S. G.
March 1st		o ir	64	39	57	16.90	Fine, warm and came.	B. S. G.
March 29th		3.45 p.m.	71	49.5	54	18.92	Fine, clear, light breeze.	B. S. G.
May 3rd	•••	2.30 p.m.	67	38	56	19.40	Bright sun, clear	B. S. G.
May 31st		1.45 p.m.	66.5	45	60 -	4.10	Heavy rain, light wind.	B. S. G.
June 24th	***	3.00 p.m.	63.0	45.5	56	2.90	Cloudy on all sides but warm.	B. S. G.
July 17th		12 Noon	62	43	55	5.00	Cloudy and little rain.	W.F.
August 2nd	•••	2.45 р.ш.	65	45	54	1,68	Fine, light breeze.	B, S. G.
October 5th		3.10 р.т.	72	46	55	5.00	Light breeze, clear and bright.	B. S. G.
October 26th	•••	0.00	74	45.5	70	3.44	Warm and cloudy.	W. B.
October 29th		2.30 p.m.	70.5	46.5	61	• • • • • • • • • • • • • • • • • • • •	Bright and clear, no sun.	B. S. G.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the month for a few years past:—

		Noveme	ER.			
Infantile diseases r	ot otherwis	se				
specified	•••	5	14			
Lung diseases	***	19	14			
Fever	•••	9	. 8			
Dysentery and Dia	rrhœa	4	3			
Various	•••	34	55			
	Total	71	94			

RAINFALL FOR NOVEMBER, 1890.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in October, 1883, as Nos. 31 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

	NORTH-EASTER	n Division.	Novi	MBER.	Northern Di	VISION, contd.	Nove	MBER.
			1890, [Average.			1890.	Average.
					Ironshore	St. James.	In. 1.65	1n. 3.20
		G4 601	In.	In.	Providence	•••	***	***
	t Point L. H.	St. Thomas		$\begin{array}{c} 8.72 \\ 10.19 \end{array}$	Montego Bay (Ma	rket)	***	
Hordle Boston		•••	***	10.13	Catherine Hall	***	3.63	3.40
	ona Plantation	St. Andrew	6. 5 0	13.66	Catherine Mount Fairfield	•••	$\begin{array}{c} 3.20 \\ 3.06 \end{array}$	4.16
	Haven Gap		***	20.00	Famela	•••	0.00	***
	Hill Reformate		5.34	8.65		\mathbf{Means}	3.61	4.74
Castle	ton Gardens	St. Mary	15.72	10.68	Wasa Carrent	D		
Dover		***	***	***	WEST CENTRAL	Division.	Nove	IBER.
Quebe		***	a	•••				
Richm Port I		•••	$\frac{6.49}{7.93}$	***			1890. 1	Average.
Gayle	maria	***	12.75	•••			In.	In.
Rio H	.00	St. Ann	12.16	8.83	Linstead	St. Catherine	7.05	4.89
Unity	Valley	***	6.18	7.59	Cave Valley	St. Ann	***	5.26
Monea		***	6.51	***	Appleton	St. Elizabeth	8.69	6.02
Albior		•••	11.14	10.23	Windsor Pen	Trelawny	6.70	• • • •
	am Park	* ***	9.48	****	Maroon Town	St. James	0.00	
Bradfi		***	9.00	11 06	Kepp	St. Elizabeth	9.86	5.93
Drax 1			10.75	$\frac{11.06}{9.31}$	Mount Edgecombe Windsor Forest		7.12	4.72
Seville		***	8.25	7.51	Woodstock	***	10.16	***
Llande Richm	ond Estate	***	9.72	8.45	Struie	•••	9.60	4+4
TO LOUIS	Ond Education				Kew Park	***	7.88	***
		Means	9.64	9.36	Chester Castle	Hanover	8.37	
		means	₽.U 3	0.00	Copse		1.78	7.61
					Kempshot	St. James	0.00	
	NORTHERN	Division.	Nove	MBER.	Anchovy Wiltshire	•••	$\substack{3.39\\2.27}$	3.77
					Eden	•••	3.73	5.58
			1000 1	•	Round Hill	Hanover	1.87	3.50
			1890.	Average.	Cacoon Castle	***	3.18	5.89
					Golden Grove	•••	9.81	5.89
			In.	In.	Flint River	***	1.43	
Home	Castle S	t. Ann	***	•••	Tryall	TTT 1 .7 1	1.8)	3.64
Richm	ond Pen			•••	Sweet River	Westmoreland	$\frac{4.30}{3.77}$	4.52
Colchi		relawny	0.00	4 10	Windsor (Savla-I Kew	Hanover	2.99	· · · · · · · · · · · · · · · · · · ·
	any Hall	•••	8.28	$\frac{4.19}{6.13}$	Three Mile River		4.30	***
Braco Arcadi	•	***	***	0.13	George's Plain Es		4.52	
	ny Hall	•••	5.00	•••	Fontabelle	•••		***
Lancas		***		6.76	Belle Isle	***	8.85	***
Vale R		•••	•••	7.05	King's Valley	T1	4.92	***
H yde	•	***	•••	7.52	Orange Cove	Hanover	6.25	•••
Georgi		•••	404	6.10	Abingdon	***	0.20	424
Steelfi		***	• • •	5.74		Means	5.01	5.16
Oxford Cambr		•••	• •	4.64				
Dry V		***	4.30		Southern I	ivision.	Nove	MBER.
Lotter		•••		• • •			1000 1	
Falmo			4.74	4.93			1890. 4	average.
Hollan		***					In.	In.
	Grove	***	3.45	$\substack{5.71 \\ 5.29}$	Albion Hospital	St. Thomas	T11.	***
Pembre Green		***	***	$\frac{5.29}{6.15}$	The Abbey	***	•••	•••
		***	3.00	0,10	Halberstadt	St. Andrew		***
Phoeni			2.60	5.04	Woodford		4.17	
Phœni: Tilstor	a a	***		5.24	Hope Plantation	St. Andrew	***	***
Tilstor	valley	•••	3.45		1 77 T TO .			• • •
Tilstor Orange Kent	Valley		2.71	4.00	Hope Reservoirs	•••	***	
Tilstor Orange Kent Dunde	· Valley	•••	$\frac{2.71}{3.56}$	$\substack{4.00 \\ 7.50}$	Cherry Garden	•••		•••
Tilston Orange Kent Dunder Weston	valley e n Favel	•••	$2.71 \\ 3.56 \\ 7.70$	4.00 7.50	Cherry Garden Constant Spring			***
Tilstor Orange Kent Dunde Westor Gale's	v Valley e n Favel Valley	•••	2.71 3.56 7.70 2.40	4.00 7.50 4.73	Cherry Garden Constant Spring Shortwood		•	
Tilston Orange Kent Dunder Weston Gale's Greeny	e Valley en Favel Valley vood S	 t. James	2.71 3.56 7.70 2.40 3.30	4.00 7.50 4.73	Cherry Garden Constant Spring	•••	4.10 4.24	2.44
Tilston Orange Kent Dunder Weston Gale's Greeny Bellfiel	v Valley n Favel Valley vood S	 t. James	2.71 3.56 7.70 2.40	4.00 7.50 4.73	Cherry Garden Constant Spring Shortwood Camperdown King's House Monaltrie	St. Andrew.	4.10 4.24 4.06	2.44 5.71
Tilston Orange Kent Dundee Weston Gale's Greenv Bellfiel Guilsb:	e Valley e Favel Valley vood S ld ro'	t. James	2.71 3.56 7.70 2.40 3.30 2.85	4.00 7.50 4.73	Cherry Garden Constant Spring Shortwood Camperdown King's House Monaltrie Public Works Offic	St. Andrew e Kingston	4.10 4.24 4.06 4.15	2.44 5.71 3.90
Tilston Orange Kent Dunder Weston Gale's Greenv Bellfiel Guilsh	e Valley e Favel Valley vood S ld ro'	 t. James	2.71 3.56 7.70 2.40 3.30 2.85 4.50	4.00 7.50 4.73	Cherry Garden Constant Spring Shortwood Camperdown King's House Monaltrie Public Works Offic Plumb Point L. H.	St. Andrew.	4.10 4.24 4.06 4.15 2.77	2.44 5.71 3.90 3.50
Tilstor Orange Kent Dunde Wester Gale's Greenv Bellfiel Guilsb: Spring Cinnam Rose H	e Valley n Favel Valley vood S dd ro' Valo	t. James	2.71 3.56 7.70 2.40 3.30 2.85 4.50	4.00 7.50 4.73 5.03 	Cherry Garden Constant Spring Shortwood Camperdown King's House Monaltrie Public Works Offic Plumb Point L. H. Spanish Town	St. Andrew. St. Kingston St. Catherine	4.10 4.24 4.06 4.15 2.77 3.19	2.44 5.71 3.90 3.50 2.56
Tilstor Orange Kent Dunde Westor Gale's Greenv Bellfiel Guilsh Spring Cinnam	e Valley re Favel Valley vood S dd ro' Vale ton Hall ag Gut	t. James	2.71 3.56 7.70 2.40 3.30 2.85 4.50	4.00 7.50 4.73 5.03	Cherry Garden Constant Spring Shortwood Camperdown King's House Monaltrie Public Works Offic Plumb Point L. H.	St. Andrew.	4.10 4.24 4.06 4.15 2.77	2.44 5.71 3.90 3.50

Southern Divi	sion, contd.	Novas	BER.
		1890. 4	Verage.
		In.	In.
Headworks, R. C. C.		4.66	5.00
Old Harbour		5.15	
Farm Plantation	Manchester	4.75	5.40
Stone's Hope	•••	4.54	•••
Brokenhurst Pen			
Pepper	St. Elizabeth	3.20	5.09
Long Hill	•••	4.36	3.83
Potsdam	***	4.49	
Gilnock Hall	***	•••	•••
Santa Cruz Poor-hou	se	8.15	
Black River	•••	***	5.43
	Means	3.94	4.28

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 2.25 and 2.77 inches respectively.

Comparative Table of Rainfall. (Based upon the "Average" Stations only.) November,

	1890.	Average.
	In.	In.
North Eastern Division	9.64	9.36
Northern "	3.61	4.74
West Central Division	5.01	5.16
Southern	3.94	4.28
The Island	5.55	5.88

The largest fall, viz., 15.72 inches was recorded at Castleton Gardens, in the Parish of St. Mary, and the smallest, 1.43 inches at Flint River, in the Parish of Hanover.

Hanover.
The Rainfall for the Month in each Division of the Island shewed a near approach to average.
Miss A. C. Johnson reports that a sharp shock of earthquake was felt at Shortwood College on November 11th, at 1.40 p.m.
A shock of earthquake was also felt at Castleton Gardens on the 11th at 2.40 p.m.

Eine Norther set in at the close of the month

Fine Norther set in at the close of the month. J. F. BERNAM.

Kingston, 19th December, 1890.



JAMAICA.

FEBRUARY 10, 1891.

No. 127.

WEATHER REPORT

FOR THE MONTH OF

DECEMBER, 1890.

Published by Authority.

JAMAICA:
GOVERNMENT PRINTING ESTABLISHMENT, 79 DUKE STREET, KINGSTON.

1891.

METEOROLOGICAL RESULTS FOR DECEMBER, 1890.

						MEA	NS FOR	тив М	ONTH.			
STATION.		ELEVATION.	Pressure.		Temperature		Dew-point.		Vapour.		Humidity.	
			7 a.m.	3 p.m.	7 a.m.	3 р.т.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.na.
Kingston King's House Castleton Gardens Cinchona Plantation	344 444 444	ft. 60 400 580 4,907	in. 30,035	in. 29.965	70.6 69.0 67.1 60.2	83.2 81.5 75.3 60.8	64.6 64.0 66.2 56.6	67.9 65.5 71.0 59.7	in. 0,609 0,596 0,644 0,459	in. 0.682 0.628 0.759 0.512	81 84 97 88	60 60 87 96

profile of the second of the s		MEANS	FOR THE	Monti	H.	E	CTREM ES	FOR T	нк Мог	STH.	
STATION.	Te	empera	ture.	w	ind.		Tei	mperati	ire.		TOTAL RAINFALL
	Max.	Min.	Range.	From.	Miles daily.	Max.	Date.	Min.	Date.	Range.	
Kingston King's House Castleton Gardens Cinchona Plantation		68.5 65.3 65.9 55.8	18.1 17.1 10.0 10.5	Var	45.1	88.9 87.0 80.0 71 0	12th* 24th 4th 13th	63.3 61 0 57.0 49.0	2nd 16th 2nd 9th	25.6 26.0 23.0 22.0	inch. 0.31 12.22 6.52

* and 1 other day.

Nor - The Barometric pressure is the reading of the Barometer corrected for instrumental error and reduced to 32°, that of Kingston being further reduced to the Sea-level. The Thermometers are similarly exposed at all the above Stations; their readings have all been corrected.

BLUE MOUNTAIN PEAK.

		TEMPE	RATURE.			Andrew Commence (1971)	
Day.	Hour.	Max.	Min.	Temp.	Rain.	Remarks,	Observer's Initials.
1890.		•	0	0	in,		
January 4th	2.15 p.m.	66	39	50.5	52.10	Misty, breeze N.E.	A. T.
February 2nd	3 p.m.	66	40	54	19.30	Fine and bright, calm.	B. S. G.
March 1st	3.15 p.m.	64	39	57	16.90	Fine, warm and miss.	B. S. G.
March 29th	3.45 p.m.	71	49.5	54	18.92	Fine, clear, light breeze.	B. S. G.
May 3rd	2.30 p.m.	67	3 8	56	19.40	Bright sun, clear	B. S. G.
May 31st	1.45 p.m.	66.5	4.5	60	4.10	Heavy rain, light wind.	B. S. G.
June 24th	3.00 p.m.	63.0	45.5	56	2.90	Cloudy on all sides but warm.	B. S. G.
July 17th	12 Noon	62	43	55	5.00	Cloudy and little rain.	\mathbf{W}, \mathbf{F} .
August 2nd	2.45 p.m.	65	45	54	1.68	Fine, light breeze.	B. S.G.
October 5th	3.10 p.m.	72	46	55	5.00	Light breeze, clear and bright.	B. S. G.
October 26th	3.10 p.m.	74	45.5	70	3.44	Warm and cloudy.	W. B.
October 29th	2.30 p.m.	70.5	46.5	61		Bright and clear, no sun.	B. S. G.

THE HEALTH OF KINGSTON.

The following Table shows the number of deaths in Kingston during the month from a few groups of diseases, compared with the average number for the month for a few years past:—

aronth for a zew ye	, passe	DECEM	BER.
		1890. A	eтage.
Infantile diseases n	ot otherw	rise	
specified	***	17	17
Lung diseases		23	14
Fever	•••	6	10
Dysentery and Dia	arbœa	4	5
Various	•••	42	55
		, 	
	Total	92	101

RAINFALL FOR DECEMBER, 1890.

The first columns contain all the Rainfall Returns sent in for publication up to the date of this report; the second columns contain the corresponding average Rainfall according to the Tables published in October, 1883, as Nos. 31 and 33 of the present series of Reports, and to an unpublished Supplementary Table of the average Rainfall at certain places where gauges have been registered for at least five years. In obtaining the mean Rainfall for the month from the numbers in the first columns, only those Stations are considered for which the average Rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the Comparative Table at the end of these Rainfall Returns:—

	STERN DIVISION.	DEC	EMBER.	NORTHERN DI	VISION, contd.	DEGE	MBER.
		1890.	Average.			1890.	Average
						In	ln
		In.	In.	Providence	St. James.	9.25	3.18
Morant Point L.	H. St. Thomas	3.53	6.78	Montego Bay (Ma	rket)	7.54	••
Hordley	•••	3.25	8.57	Catherine Hall		8.10	3.32
Boston	***		***	Catherine Mount	***	8.35	6.7
Cinchona Plantat		6.52	13.83	Fairfield	***	5.53	
New Haven Gap Stony Hill Refor		2.78	3.71		Means	7.31	6.10
Castleton Garden		12.22	13.07		ar come	• • • • • •	0.10
Dover .			1.0.0.	WEST CENTRAL	DIVISION.	DECES	ABER.
Quebec	*	•••					
Richmond		6.64				1890. .	Average
Port Maria	•••	8.52					
Gayle	674 4	13.10	11.40	1	en en	In.	In
Rio Hoe	St. Ann	$\frac{9.93}{6.04}$	$11.49 \\ 10.74$	Linstead	St. Catherine	1.53	2.44
Unity Valley	***	6.17	10.74	Cave Valley Appleton	St. Ann	1.02	2.75
Moneague Albion	***	7.55	$8.\overline{07}$	Windsor Pen	St. Elizabeth Trelawny	3.44	3.34
Averham Park	•••	13.43	0.01	Maroon Town	St. James	$\substack{6.26 \\ 5.26}$	•••
Bradfield		6.68	10.91	Kepp	St. Elizabeth	1.81	2.98
Drax Hall	***	9.36	8.57	Mount Edgecombe		0.63	3.28
Seville	•••	•••	8.10	Windsor Forest		•••	
Llandovery	***	***	8.47	Woodstock	•••	8.39	••
Richmond Estate	***		7.14	Struie	***	***	•••
				Kew Park	***	1.78	
t	Means	6.79	9.57	Chester Castle	Hanover	2.97	
				Copsé Kempshot	St. James	7.28	4.67
		•		Anchovy	or. James	$\frac{8.33}{4.97}$	2.48
North	men Division.	DEGE	MBER.	Willishire	***	TE . 27 I	2.81
				Eden	•••	7.07	
		1890.	Average,	Round Hill	Hanover	3.75	1.96
				Cacoon Castle	***	6.11	6.76
		-	T '	Golden Grove	***	9.64	2.93
		In.	In.	Flint River	***	4.85	
Home Castle	St. Ann	8.10	• • •	Tryall	VX7+	5.26	2.08
Richmond Pen		8.30	•••	Sweet River Windsor (Savla-M	Westmoreland	5.00 4.29	9 65
Colchis Pen	Trelawny	5.49	9 =6	Kew	lar) Hanover	49.23	2,27
Mahogany Hall Brace	•••	$\substack{5.81 \\ 6.29}$	$\frac{3.76}{7.20}$	Three Mile River		2.00	***
Arcadia	***	6.22		George's Plain Est		***	***
Harmony Hall	•••	6.84	7.24	Fontabelle	•••		•••
		6.92		Belle Isle	***	$9 \mu \alpha$	***
	***		7.57	[King's Valley		2.60	
Lancaster	•••	7.37	7,97 9,29			3.20	•••
Lancaster Vale Royal			9,29 8,08	Orange Cove	Hanover	8.20 5.49	4.06
Lancaster Vale Royal Hyde Georgia	***	7.37 6.25	9,29 8,08 8,41			3.20	4.06
Lancaster Vale Royal Hyde Georgia Steelfield	•••	7.37 6.25 4.80	$9.29 \\ 8.08 \\ 8.41 \\ 7.99$	Orange Cove	Hanover	8.20 5.49	4.06
Lancaster Vale Royal Hyde Georgia Steelfield Oxford	•••	7.37 6.25 4.80 5.22	9,29 8,08 8,41 7,99	Orange Cove	Hanover	8.20 5.49 0.60	4.06
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge	•••	7.37 6.25 4.80 5.22 5.92	9,29 8,08 8,41 7,99 6,01	Orange Cove	Hanover Means	8.20 5.49 0.60	3.23
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley	•••	7.37 6.25 4.80 5.22 5.92 3.93	9,29 8,08 8,41 7,99 6,01	Orange Cove Abingdon	Hanover Means	8.20 5.49 0.60 4.25	3.23 MBER.
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery	•••	7.37 6.25 4.80 5.22 5.92 3.93 3.95	9,29 8,08 8,41 7,99 6,01 	Orange Cove Abingdon	Hanover Means	8.20 5.49 0.60 4.25	3.23 MBER.
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth	•••	7.37 6.25 4.80 5.22 5.92 3.93	9,29 8,08 8,41 7,99 6,01 	Orange Cove Abingdon	Hanover Means	$ \begin{array}{r} 3.20 \\ 5.49 \\ -0.60 \\ \hline 4.25 \end{array} $	3.23 MBER.
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen	••• ••• ••• ••• ••• •••	7.37 6.25 4.80 5.22 5.92 3.93 3.95 12.40	9,29 8,08 8,41 7,99 6,01 	Orange Cove Abingdon	Means wision.	8.20 5.49 0.60 4.25	4.06 3.23 MBER.
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Goldon Grove	*** *** *** *** *** *** *** *** *** **	7.37 6.25 4.80 5.22 5.92 3.93 8.95 12.40 6.88 5.30	9.29 8.08 8.41 7.99 6.01 5.83 5.33	Orange Cove Abingdon Southers Di Albion Hospital	Hanover Means	8.20 5.49 0.60 4.25 Deom: 1890. A	4.06 3.23 MBER. Average
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Goldon Grove Pembroke Green Park	*** *** *** *** *** *** *** *** *** **	7.37 6.25 4.80 5.22 5.92 3.93 3.95 12.40 6.88 5.30	9,29 8,08 8,41 7,99 6,01 5,83	Orange Cove Abingdon Southern Di Albion Hospital The Abbey	Means vision. St. Thomas	8.20 5.49 0.60 4.25 Deom: 1890. A	4.06 3.23 MBER. Average
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Foldon Grove Pembroke Green Park	*** *** *** *** *** *** *** *** *** **	7.37 6.25 4.80 5.22 5.92 3.93 3.95 12.40 6.88 5.30	9.29 8.08 8.41 7.99 6.01 5.83 5.26 5.87	Orange Cove Abingdon Southern Di Albion Hospital The Abbey Halberstadt	Means wision.	8.20 5.49 0.60 4.25 December 1890. A	4.06 3.23 MBER. Average
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Holdon Grove Pembroke Green Park Phænix Filston	*** *** *** *** *** *** *** *** *** **	7.37 6.25 4.80 5.22 5.92 3.95 12.40 6.88 5.30 7.70 8.38 7.35	9.29 8.08 8.41 7.99 6.01 5.83 5.26 5.87 5.67	Orange Cove Abingdon Southern Dr Albion Hospital The Abbey Halberstadt Woodford	Means Vision. St. Thomas St. Andrew	8.20 5.49 0.60 4.25 December 1890. A	4.06 3.23 MBER. Average
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Soldon Grove Pembroke Green Park Phiston Drange Valley	*** *** *** *** *** *** *** *** *** **	7.37 6.25 4.80 5.22 5.92 3.93 8.95 12.40 6.88 5.30 7.70 8.38 7.35 12.90	9.29 8.08 8.41 7.99 6.01 5.83 5.26 5.87 5.67 6.99	Orange Cove Abingdon Southers Di Albion Hospital The Abbey Halberstadt Woodford Hope Plantation	Means Vision. St. Thomas St. Andrew St. Andrew	8.20 5.49 0.60 4.25 December 1890. A	4.06 3.23 MBER. Average
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Goldon Grove Pembroke Green Park Phænix Tiston Orango Valley Kent	*** *** *** *** *** *** *** *** *** **	7.37 6.25 4.80 5.22 5.92 3.95 12.40 6.88 5.30 7.70 8.38 7.70 8.38 7.90	9.29 8.08 8.41 7.99 6.01 5.83 5.26 5.87 5.67 6.99 4.57	Orange Cove Abingdon Southern Di Albion Hospital The Abbey Halberstadt Woodford Hope Plantation Hope Reservoirs	Means Vision. St. Thomas St. Andrew St. Andrew	8.20 5.49 0.60 4.25 December 1890. A	3.23 MBER. Average
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Golden Grove Pembroke Green Park Phænix Tilston Orango Valley Kent	*** *** *** *** *** *** *** *** *** **	7.37 6.25 4.80 5.22 5.92 3.95 12.40 6.88 5.30 7.70 8.38 7.35 12.90 7.84 8.50	9.29 8.08 8.41 7.99 6.01 5.38 5.26 5.87 5.67 6.99 4.57 6.46	Orange Cove Abingdon Southers Di Albion Hospital The Abbey Halberstadt Woodford Hope Plantation	Means Vision. St. Thomas St. Andrew St. Andrew	8.20 5.49 0.60 4.25 December 1890. A	3.23 MBER. Average
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Goldon Grove Pembroke Green Park Phænix Tilston Orango Valley Kent Dundee Weston Favel		7.37 6.25 4.80 5.22 5.92 3.95 12.40 6.88 5.30 7.70 8.38 7.35 12.90 7.84 8.50	9.29 8.08 8.41 7.99 6.01 5.83 5.26 5.87 5.67 6.99 4.57 6.46	Orange Cove Abingdon SOUTHERN DI Albion Hospital The Abbey Halberstadt Woodford Hope Plantation Hope Reservoirs Cherry Garden	Means Vision. St. Thomas St. Andrew St. Andrew	3.20 5.49 0.60 4.25 December 1890. A In. 3.60 6.13	4.06 3.23 MBER. Average
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Golden Grove Pembroke Green Park Phœnix Tilston Orango Valley Kent Dundee Weston Favel Fale's Valley	*** *** *** *** *** *** *** *** *** **	7.37 6.25 4.80 5.22 5.92 3.95 12.40 6.88 5.30 7.70 8.38 7.35 12.90 7.84 8.50	9.29 8.08 8.41 7.99 6.01 5.38 5.26 5.87 5.67 6.99 4.57 6.46	Orange Cove Abingdon Southern Dr Albion Hospital The Abbey Halberstadt Woodford Hope Plantation Hope Reservoirs Cherry Garden Constant Spring	Means Wision. St. Thomas St. Andrew St. Andrew	8.20 5.49 0.60 4.25 December 1890. A In	4.06 3.23 MBER. Average
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Goldon Grove Pembroke Green Park Phænix Tilston Orango Valley Kent Dundee Weston Favel Jale's Valley Greenwood	*** *** *** *** *** *** *** *** *** **	7.37 6.25 4.80 5.22 5.92 3.93 3.95 12.40 6.88 5.30 7.70 8.38 7.35 12.90 7.84 8.50	9.29 8.08 8.41 7.99 6.01 5.83 5.26 5.87 5.67 6.99 4.57 6.46 5.60	Orange Cove Abingdon Southern Di Albion Hospital The Abbey Halberstadt Woodford Hope Plantation Hope Reservoirs Cherry Garden Constant Spring Shortwood Camperdown King's House	Means Wision. St. Thomas St. Andrew St. Andrew	3.20 5.49 0.60 4.25 December 1890. A In. 3.60 1.97 	4.06 3.23 MBER. Average In 0.37
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Goldon Grove Pembroke Green Park Phænix Tilston Orango Valley Kent Dundee Weston Favel Jale's Valley Jareenwood Bellfield Juilsbro'		7.37 6.25 4.80 5.22 5.92 3.93 3.95 12.40 6.88 5.30 7.70 8.38 7.35 12.90 7.84 8.50 0.00 7.55	9.29 8.08 8.41 7.99 6.01 5.83 5.26 5.87 5.67 6.99 4.57 6.46 5.60	Orange Cove Abingdon Southern Dr Albion Hospital The Abbey Halberstadt Woodford Hope Plantation Hope Reservoirs Cherry Garden Constant Spring Shortwood Camperdown King's House Monaltrie	Means Wision. St. Thomas St. Andrew St. Andrew St. Andrew	3.20 5.49 0.60 4.25 December 1890. A	4.06 3.23 MBER. Average In 0.37 2.37
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Golden Grove Pembroke Green Park Phænix Tilston Orango Valley Kent Dundee Weston Favel Gale's Valley Greenwood Bellfield Guilsbro' Tpring Vale	St. James	7.37 6.25 4.80 5.22 5.92 3.93 3.95 12.40 6.88 5.30 7.70 8.38 7.35 12.90 7.84 8.50 8.40 10.50	9.29 8.08 8.41 7.99 6.01 5.83 5.26 5.87 6.99 4.57 6.46 5.60	Orange Cove Abingdon Southern Dr Albion Hospital The Abbey Halberstadt Woodford Hope Plantation Hope Reservoirs Cherry Garden Constant Spring Shortwood Camperdown King's House Monaltrie Public Works Office	Means Wision. St. Thomas St. Andrew St. Andrew St. Andrew Kingston	3.20 5.49 0.60 4.25 DEOM: 1890. A In. 5.60 6.13 1.97 1.08 1.12 0.14	4.06 3.23 MBER. Average In. 0.37 2.37 2.38
Lancaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Golden Grove Pembroke Green Park Phenix Tilston Orange Valley Kent Dundee Weston Favel Gale's Valley Greenwood Bellfield Guilsbro' Spring Vale	St. James	7.37 6.25 4.80 5.22 5.92 3.95 12.40 6.88 5.30 7.70 8.38 7.84 8.50 7.55 6.77 8.14	5.83 5.26 5.87 6.99 4.57 6.46 5.60 6.67	Orange Cove Abingdon Southern Dr. Albion Hospital The Abbey Halberstadt Woodford Hope Plantation Hope Reservoirs Cherry Garden Constant Spring Shortwood Camperdown King's House Monaltrie Public Works Office Plumb Point L. H.	Means Vision. St. Thomas St. Andrew St. Andrew St. Andrew. Kingston	3.20 5.49 0.60 4.25 December 1890. A In. 3.60 6.13 1.97 1.08 1.08	4.06 3.23 MBER. Average In. 0.87 2.87 2.87 1.57
Lameaster Vale Royal Hyde Georgia Steelfield Oxford Cambridge Dry Valley Lottery Falmouth Holland Pen Golden Grove Pembroke Green Park Phænix Tilston Orango Valley Kent Dundee Weston Favel Gale's Valley Greenwood Bellfield Guilsbro' Spring Vale Ginnamon Hall Bose Hall Eunning Gut		7.37 6.25 4.80 5.22 5.92 3.93 3.95 12.40 6.88 5.30 7.70 8.38 7.35 12.90 7.84 8.50 8.40 10.50	9.29 8.08 8.41 7.99 6.01 5.83 5.26 5.87 6.99 4.57 6.46 5.60	Orange Cove Abingdon Southern Dr Albion Hospital The Abbey Halberstadt Woodford Hope Plantation Hope Reservoirs Cherry Garden Constant Spring Shortwood Camperdown King's House Monaltrie Public Works Office	Means Wision. St. Thomas St. Andrew St. Andrew St. Andrew Kingston	3.20 5.49 0.60 4.25 DEOM: 1890. A In. 5.60 6.13 1.97 1.08 1.12 0.14	4.06 3.23 MBER. Average. In

COUTHERN D	ivision, conta.	DECE	MBER.
•		1890. [Average.
		In.	In.
Headworks, R. C. C.	o .	0.70	1.76
Old Harbour	***	0.94	•••
Farm Plantation	Manchester	1.85	2,46
Stone's Hope	. •••	2.56	
Brokenhurst Pen		2.66	
Pepper	St. Elizabeth	1.80	1.90
Long Hill	•••	3.74	3.40
Petsdam	•••	1.11	
Gilnock Hall	***		
Santa Cruz Poor-ho	use	3.19	
Black River	•••		2.29
	Means	1.15	2.16

At the Plumb Point Light House the upper gauge is 68 feet above the lower; these gauges registered 0.02 and 0.03 of an inch respectively

COMPABATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.

1890. | Average. In.In. 6.79North Eastern Division 9.57 7.31 6.10 Northern West Central Division 4.25 3.23 6 E 1.15 2.16 Southern The Island 4.87 5.26

The largest fall viz., 13.43 inches was recorded at Averham Park, in the Parish of St. Ann, and the smallest, 0.03 of an inch at Plumb Point Light House.

The Rainfall for the Month for the whole Island

shewed a near approach to the average.

Fine Northers were felt in Kingston on the 2nd, 3rd. and 18th, of the month.

The following Table gives the Island Rainfall actually recorded in 1890, as compared with the average Rainfall :-

Ter	AND	TP AT	rx w	

	Rainfall recorded.	Rainfall Average,
	In.	In.
1890—Јапиагу	5.26	4.32
${f F}$ ebruary	2.16	2.60
\mathbf{March}	4.96	3.24
f April	2.89	3. 7 6
May	4.92	. 8 64
June	2.89	5.53
\mathbf{July}	2. 4 6	4.50
\mathbf{August}	6.39	6.84
September	4.46	7.02
October	6.04	8.95
November	5.55	6.00
December	4.87	5.16
The Year	52.76	66.56

The average Rainfall for the whole Island for the year 1890 as will be seen was very deficient. The Rainfall has been almost without exception less than the average in each month of the year, and shewing a difference of nearly 17 inches with the previous year.

KINGSTON, JAMAICA-MEAN RESULTS FOR THE YEAR 1890.-ELEVATION 60 FEET.

DECEMBER.

	Í	Means for the Month.												
Montk.		Pres	sure.		Temperature.			Dewpoint.		Vapour.		Humidity.		
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	7 a.m.	3. p.m.	7 a.m.	3 p.m
January February March April May June July August September October November		Iu. 30,056 30,053 30,042 30,073 80,025 30,034 30,001 29,986 29,965 30,035	In, 29,993 29,992 29,981 30,015 29,971 30,003 29,997 29,957 29,952 29,902 20,896 29,965	75.4 76.6 76.8 75.8 75.8 75.8 75.8 75.8	65.0 83.2 83.1 83.4 86.5 86.5 86.7 84.0 84.6 83.5	88.9 86.9 86.3 87.2 89.1 89.5 89.1 89.6 88.3 88.1 86.6	64.5 64.2 66.8 67.9 71.0 72.3 72.6 72.4 72.5 71.4 68.5	24.4 22.7 18.7 18.4 16.2 16.1 17.2 16.5 16.6 15.8 16.7 18.1	63.1 62.9 64.5 65.3 67.8 67.8 68.0 68.7 69.2 68.3 67.5 64.6	68.5 68.9 68.0 68.4 71.6 71.7 72.7 71.2 72.6 72.9 67.9	In. 0.578 0.574 0.607 0.624 0.680 0.680 0.684 0.701 0.713 0.692 0.692 0.673	In. 0.697 0.706 0.684 0.674 0.777 0.804 0.764 0.801 0.810 0.754 0.682	86 86 82 82 77 74 74 78 80 78 81 81	58 62 65 61 68 63 64 69 68 68 60
Means.		30.024	29.967	73.1	84.1	87.9	69.8	19.1	66,5	70.4	0.651	0.746	80	64

The barometric pressure is the reading of the barometer corrected for instrumental error and reduced to 32° and sea level;

Cloud Percentage Wind. Temperature. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rainfall. Rain	Cloud Percentage. Wind. Temperature. Rainfall. 7 a.m. 3 p.m. From Daily- Max. Date. Min. Date. Rainfall. 25 39 S. 31.3 90 9 12 62.0 14 28.9 0.34 Fine and Dry. S.E. 40.5 89.1 25 60 2 4 28.9 0.45 Fair. 24 51 S.E. 51 5 89.3 24 61 4 14 27.9 3.27 Fair. 29 49 S.E. 43.7 90.3 20 65 0 25 25.3 0.26 Fair. 35 71 S.E. 87.0 89 2 15 67.5 2 21.7 1.22 Fair. Fair. 27 43 S.E. 111.0 91.6 13 70 3 18 21 3 0.44 Fair. 45 69 S.E. 97.5 94 4 21 68 6 1 25.8 0.34 Fair-fine showers on 48 85 S.E. 54.1 91.3 30 70 6 13 20.7 3.04 Fair-light showers. Fair sind Dry. 55 88 Var. 55.1 91 6 21 68 8 20 22 8 22.8 2.73 Fine, Northers on 304.		1	Mes	ans fo	r the E	Ionth.	E	xtrem	es for t	he Mo	ath.		
Ta.m.3 p.m. From Daily Max Date Min Date Range	7 a.m. 3 p.m. From Daily Max. Date. Min. Date. Range. 25 39 S. 31.3 90 9 12 62.0 14 28.9 0.34 Fine and Dry. 20 3* S.E. 40.5 89.1 25 60.2 4 28.9 0.45 Fair. 24 51 S.E. 51.5 89.3 24 61.4 14.27.9 3.27 Fair. 29 49 S.E. 43.7 90.3 20 65.0 25.25.3 0.26 Fair. 27 43 S.E. 111.0 91.6 13.70.3 18.21.3 0.44 Fair. 27 43 S.E. 75.5 94.4 21 68.6 1 25.8 0.34 Fair and Dry. 55 81 S.E. 75.3 92.3 15 69.3 4 <					d.			Te	mperati	ure.			
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					88		55,1	91 6	21		20		2.73	Fine, Northers on 30th. (30th.
	29 60 Var. 45.1 88 9 12 63 3 2 25 6 0.31 Fine Northers during	mber	}	29	60	Var.	45.1	88 9	12	63 3	2	25 6	0.31	Fine Northers during month.

J. F. Brennan, Kingston, 20th January, 1891.